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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicant : | Jesse D. Wolfe et al | Docket No. : | IL-11072 |
| Serial No. : | 10/643,556 | Art Unit : | |
| Filed : | August 18, 2003 | Examiner | |
| For : | Process and Apparatus for Pulsed DC Magnetron Reactive Sputtering of Thin Film Coatings on Large Substrates Using Smaller Sputter Cathodes | | |

Commissioner for Patents
Alexandria, VA

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1. Supplemental Information Disclosure Statement (1 page)
2. Form PTO-1449
One (1) Foreign Patent Document
3. Return Postcard

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Large Substrates Using Smaller Sputter Cathodes

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents
Alexandria, VA 22313-1450

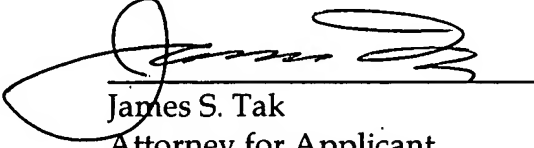
Dear Sir:

Forwarded herewith is an Supplemental Information Disclosure Statement, Form-1449, in the above-identified application. Copies of the cited references are enclosed: One (1) Foreign Patent Documents. The above-mentioned disclosures, which are not admitted as prior art, are identified on the enclosed Form 1449.

Please charge Deposit Account 12-0695 in the amount of \$180.00

Respectfully submitted,

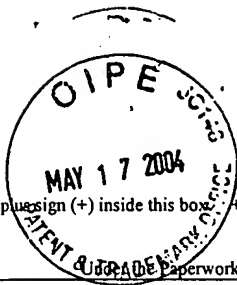
Dated: 5-14-04


James S. Tak
Attorney for Applicant
Registration No. 46,367

05/18/2004 SDIRETAR 00000058 120695 10643556
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Enclosures: As noted above

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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | Complete if Known | |
| | | Application Number | 10/643,556 |
| | | Filing Date | August 18, 2003 |
| | | First Named Inventor | Jesse D. Wolfe et al |
| | | Group Art Unit | |
| | | Examiner Name | |
| Sheet 1 of 1 | Attorney Docket Number | IL-11072 | |

| U.S. PATENT DOCUMENTS | | | | | | | | |
|-----------------------|-----------------------|----------------------|-----------------------------------|---|--|---|--|--|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | | |
| | | Number | Kind Code ² (if known) | | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|-----------------------|-------------------------|---------------------|-----------------------------------|---|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| | | WO | 01/98553 | A1 | Vladimir, Kouznetsov | 12-27-2001 | | |
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.
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